



## PATENT ABSTRACTS OF JAPAN

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KANEKAWA AKITAKA**(54) CAPILLARY ANALYZER****(57) Abstract:**

**PROBLEM TO BE SOLVED:** To provide a  $\mu$ TAS analyzer which can be used for point-of-care(POC) analysis, etc., and is provided with a convenient inexpensive quantitative liquid feeding system having a simple structure, and can make flow velocity control and flow ration control.

**SOLUTION:** This  $\mu$ TAS analyzer uses the gravity as liquid feeding power and adjusts the surface level of a liquid in a liquid reservoir connected to a micro-flow

passage, by using a planar chip for controlling the liquid feeding power. Since the method of adjusting the liquid quantity in the liquid reservoir and another method of inclining an analysis chip by a prescribed angle in a prescribed direction for adjusting the surface level are used as a surface level adjusting method, stable liquid feeding is realized, and analysis becomes possible in the micro-flow passage. It is desirable to use a photothermal conversion method, especially a thermal lens method for detection.

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